COURSE SYLLABUS

Advanced Python for Data Science Bootcamp

Dive into higher-level Python and data science skills in this advanced bootcamp. Learn advanced functions, work with JSON data and APIs, perform regression analysis, create animated data visualizations, and much more.

For more information, visit
https://www.creativelive.com/classes/advanced-python-data-science-course



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Course Outline

Advanced Python

- map() and filter()
- Lambda Functions
- List Comprehension
- JSON and APIs
- Nested Loops and Logic
- Global Variables in Functions
- IPython Widgets
- Times

Advanced Data Science

- Seaborn Library
- Regression Analysis
- Heatmaps and Confusion Matrices
- Web Scraping
  - Pandas and Beautiful Soup
  - Iterative Scraping
  - Image Downloading
- Animating Data
- Merging CSV Files
- SQL in Jupyter Notebook
  - Database Connections
  - Querying